

Amendments of the Claims

This listing of claims will replace all prior versions and listings of claims in this application:

Listing of Claims:

1. (Currently Amended) A method for providing a user with program information using an interactive television application implemented at least partially on user equipment, the method comprising:

displaying ~~a list of~~ program listings in a grid format; ~~and~~

allowing the user to scroll the ~~list~~ program listings backwards in time;_i

determining, using a processor, that a past, unrecorded program is no longer available for viewing by the user; and

generating, in response to the determining, an indicator that indicates the past, unrecorded program is no longer available for viewing by the user,

wherein the displayed ~~list~~ program listings, when scrolled backwards in time, ~~includes~~ include:

at least one program listing of a past, previously recorded program that is available for viewing by the user, and

at least one cell in the grid corresponding to a program listing of ~~[[a]]~~ the past, unrecorded program, wherein the at least one cell includes ~~[[an]]~~ the generated indicator that indicates ~~that~~ the past, unrecorded program is no longer available for viewing by the user.

2. (Currently Amended) The method defined in claim 1, wherein the displayed ~~list includes~~ program listings include at least one video-on-demand program that is available for viewing by the user.

3. (Original) The method defined in claim 1, wherein at least one of the at least one previously recorded program is stored on a local personal video recorder.

4. (Original) The method defined in claim 1, wherein at least one of the at least one previously recorded program is stored on a network-based video recorder.

5. (Currently Amended) The method of claim 1 further comprising allowing the user to select for viewing a previously recorded program ~~listed in the list~~ associated with one of the displayed program listings.

6. (Currently Amended) The method of claim 1, wherein at least one of the program ~~listed in the list~~ listings is associated with a visual indicator, wherein the visual indicator indicates that the associated program is scheduled for recording.

7. (Currently Amended) The method of claim 1, wherein at least one of the program ~~listed in the list~~ listings is associated with a visual indicator, wherein the visual indicator indicates that the associated program has been recorded.

8. (Currently Amended) The method of claim 1, wherein at least one of the program ~~listed in the list~~ listings is associated with a visual indicator, wherein the visual

indicator indicates that the associated program is currently being recorded.

9. (Currently Amended) The method of claim 1, wherein at least one of the program ~~listed in the list~~ listings is associated with a visual indicator, wherein the visual indicator indicates that the associated program is a video-on-demand program.

10. (Currently Amended) The method of claim 1, wherein the allowing the user to scroll the ~~list~~ program listings backwards in time comprises displaying a ~~list~~ program listings of previously recorded programs.

11. (Currently Amended) The method of claim 1, wherein the ~~list includes~~ program listings include at least one video-on-demand program available for viewing.

12. (Currently Amended) The method of claim 1, wherein the allowing the user to scroll the ~~list~~ program listings backwards in time comprises displaying at least one category of previously recorded programs.

13. (Currently Amended) The method of claim 1, wherein at least one of the program ~~listed in the list~~ listings is available for viewing for a limited time, the method further comprising allowing the user to extend the time of availability of said program.

14. (Currently Amended) The method of claim 1 further comprising allowing the user to set a reminder for at least one of the program ~~listed in the list~~ listings.

15. (Original) The method of claim 14 further comprising:

determining if the user is watching the program for which a reminder was set; and

recording automatically said program if the user is not watching said program.

16. (Currently Amended) The method of claim 1 further comprising allowing the user to schedule for recording at least one of the program ~~listed in the list~~ listings.

17. (Original) The method of claim 1 further comprising determining a personal profile based on gathered information relating to the user.

18. (Original) The method of claim 17 further comprising setting a reminder for a program, wherein said program is selected based at least in part on the personal profile.

19. (Original) The method of claim 17 further comprising recording a program, wherein said program is selected based at least in part on the personal profile.

20. (Currently Amended) The method of claim 1, wherein the past, unrecorded program is indicated by an empty cell, wherein the allowing the user to scroll the ~~list~~ program listings backwards in time comprises:

determining whether at least one row of the grid consists of empty cells; and

collapsing the grid to remove the at least one row of empty cells.

21. (Currently Amended) User equipment for providing a user with program information using an interactive television application implemented at least partially on user equipment, the user equipment comprising:

a display;

control circuitry configured to:

display ~~a list of~~ program listings in a grid format; and

allow the user to scroll the ~~list~~ program listings backwards in time;

determine that a past, unrecorded program is no longer available for viewing by the user; and

generate, in response to the determining, an indicator that indicates the past, unrecorded program is no longer available for viewing by the user,

wherein the displayed ~~list~~ program listings, when scrolled backwards in time, ~~includes~~ include:

at least one program listing of a past, previously recorded program that is available for viewing by the user, and

at least one cell in the grid corresponding to a program listing of ~~[[a]]~~ the past, unrecorded program, wherein the at least one cell includes ~~[[an]]~~ the generated indicator that indicates ~~that~~ the past, unrecorded program is no longer available for viewing by the user.

22. (Currently Amended) The user equipment of claim 21, wherein the displayed ~~list includes~~ program listings include at least one video-on-demand program that is available for viewing by the user.

23. (Original) The user equipment of claim 21, wherein at least one of the at least one previously recorded program is stored on a local personal video recorder.

24. (Original) The user equipment of claim 21, wherein at least one of the at least one previously recorded program is stored on a network-based video recorder.

25. (Currently Amended) The user equipment of claim 21, wherein the control circuitry is further configured to allow the user to select for viewing a previously recorded program ~~listed in the list~~ associated with one of the displayed program listings.

26. (Currently Amended) The user equipment of claim 21, wherein at least one of the program ~~listed in the list listings~~ is associated with a visual indicator, wherein the visual indicator indicates that the associated program is scheduled for recording.

27. (Currently Amended) The user equipment of claim 21, wherein at least one of the program ~~listed in the list listings~~ is associated with a visual indicator, wherein the visual indicator indicates that the associated program has been recorded.

28. (Currently Amended) The user equipment of claim 21, wherein at least one of the program ~~listed in the list listings~~ is associated with a visual indicator, wherein the visual indicator indicates that the associated program is currently being recorded.

29. (Currently Amended) The user equipment of claim 21, wherein at least one of the program ~~listed in the list listings~~ is associated with a visual indicator, wherein the visual indicator indicates that the associated program is a video-on-demand program.

30. (Currently Amended) The user equipment of claim 21, wherein the control circuitry, when configured to allow the user to scroll the ~~list~~ program listings backwards in time, is configured to display ~~a list~~ program listings of previously recorded programs.

31. (Currently Amended) The user equipment of claim 21, wherein the ~~list includes~~ program listings include at least one video-on-demand program available for viewing.

32. (Currently amended) The user equipment of claim 21, wherein the control circuitry, when configured to allow the user to scroll the ~~list~~ program listings backwards in time, is configured to display at least one category of previously recorded programs.

33. (Currently Amended) The user equipment of claim 21, wherein at least one of the program ~~listed in the list listings~~ is available for viewing for a limited time and the control circuitry is further configured to allow the user to extend the time of availability of said program.

34. (Currently Amended) The user equipment of claim 21, wherein the control circuitry is further configured to allow the user to set a reminder for at least one of the program ~~listed in the list~~ listings.

35. (Original) The user equipment of claim 34, wherein the control circuitry is further configured to:
determine if the user is watching the program for which a reminder was set; and
record automatically said program if the user is not watching said program.

36. (Currently Amended) The user equipment of claim 21, wherein the control circuitry is further configured to allow the user to schedule for recording at least one of the program ~~listed in the list~~ listings.

37. (Original) The user equipment of claim 21, wherein the control circuitry is further configured to determine a personal profile based on gathered information relating to the user.

38. (Original) The user equipment of claim 37, wherein the control circuitry is further configured to set a reminder for a program, wherein said program is selected based at least in part on the personal profile.

39. (Original) The user equipment of claim 37, wherein the control circuitry is further configured to record a program, wherein said program is selected based at least in part on the personal profile.

40. (Currently amended) The user equipment of claim 21, wherein the past, unrecorded program is indicated by an empty cell, wherein the control circuitry, when configured to allow the user to scroll the ~~list~~ program listings backwards in time, is configured to:

determine whether at least one row of the grid consists of empty cells; and

collapse the grid to remove the at least one row of empty cells.

41. (Currently amended) A system for providing a user with program information using an interactive television application implemented at least partially on user equipment, the system comprising:

means for displaying ~~a list of~~ program listings in a grid format; and

means for allowing the user to scroll the ~~list~~ program listings backwards in time;_i

means for determining, using processor, that a past, unrecorded program is no longer available for viewing by the user; and

means for generating, in response to the determining, an indicator that indicates the past, unrecorded program is no longer available for viewing by the user,

wherein the displayed ~~list~~ program listings, when scrolled backwards in time, ~~includes~~ include:

at least one program listing of a past, previously recorded program that is available for viewing by the user, and

at least one cell in the grid corresponding to a program listing of ~~[[a]]~~ the past, unrecorded program, wherein the at least one cell includes ~~[[an]]~~ the generated indicator that indicates ~~that~~ the past, unrecorded program is no longer available for viewing by the user.

42. (Currently amended) The system of claim 41, wherein the displayed ~~list includes~~ program listings include at least one video-on-demand program that is available for viewing by the user.

43. (Original) The system of claim 41, wherein at least one of the at least one previously recorded program is stored on a local personal video recorder.

44. (Original) The system of claim 41, wherein at least one of the at least one previously recorded program is stored on a network-based video recorder.

45. (Currently amended) The system of claim 41 further comprising means for allowing the user to select for viewing a previously recorded program ~~listed in the list~~ associated with one of the displayed program listings.

46. (Currently amended) The system of claim 41, wherein at least one of the program ~~listed in the list~~ listings is associated with a visual indicator, wherein the visual indicator indicates that the associated program is scheduled for recording.

47. (Currently amended) The system of claim 41, wherein at least one of the program ~~listed in the list~~ listings is associated with a visual indicator, wherein the visual indicator indicates that the associated program has been recorded.

48. (Currently amended) The system of claim 41, wherein at least one of the program ~~listed in the list~~ listings is associated with a visual indicator, wherein the visual

indicator indicates that the associated program is currently being recorded.

49. (Currently amended) The system of claim 41, wherein at least one of the program listed in the list listings is associated with a visual indicator, wherein the visual indicator indicates that the associated program is a video-on-demand program.

50. (Currently amended) The system of claim 41, wherein the means for allowing the user to scroll the list program listings backwards in time comprises means for displaying ~~a list~~ program listings of previously recorded programs.

51. (Currently amended) The system of claim 41, wherein the ~~list includes~~ program listings include at least one video-on-demand program available for viewing.

52. (Currently amended) The system of claim 41, wherein the means for allowing the user to scroll the ~~list~~ program listings backwards in time comprises means for displaying at least one category of previously recorded programs.

53. (Currently amended) The system of claim 41, wherein at least one of the program listed in the list listings is available for viewing for a limited time, the system further comprising means for allowing the user to extend the time of availability of said program.

54. (Currently amended) The system of claim 41 further comprising means for allowing the user to set a reminder for at least one of the program listed in the list listings.

55. (Original) The system of claim 54 further comprising:

means for determining if the user is watching the program for which a reminder was set; and

means for recording automatically said program if the user is not watching said program.

56. (Currently amended) The system of claim 41 further comprising means for allowing the user to schedule for recording at least one of the program listed in the list listings.

57. (Original) The system of claim 41 further comprising means for determining a personal profile based on gathered information relating to the user.

58. (Original) The system of claim 57 further comprising means for setting a reminder for a program, wherein said program is selected based at least in part on the personal profile.

59. (Original) The system of claim 57 further comprising means for recording a program, wherein said program is selected based at least in part on the personal profile.

60. (Currently amended) The system of claim 41, wherein the past, unrecorded program is indicated by an empty cell, wherein the means for allowing the user to scroll the list program listings backwards in time comprises:

means for determining whether at least one row of the grid consists of empty cells; and

means for collapsing the grid to remove the at least one row of empty cells.

61. (Currently amended) Machine-readable media for use in an interactive television application implemented at least partially on user equipment, in which the interactive television application provides a user with program information, wherein the media is encoded with machine-readable instructions for performing the method comprising:

displaying ~~a list of~~ program listings in a grid format; ~~and~~

allowing the user to scroll the ~~list~~ program listings backwards in time;

determining, using a processor, that a past, unrecorded program is no longer available for viewing by the user; and

generating, in response to the determining, an indicator that indicates the past, unrecorded program is no longer available for viewing by the user,

wherein the displayed ~~list~~ program listings, when scrolled backwards in time, ~~includes~~ include:

at least one program listing of a previously recorded program that is available for viewing by the user, and

at least one cell in the grid corresponding to a program listing of ~~[[a]]~~ the past, unrecorded program, wherein the at least one cell includes ~~[[an]]~~ the generated indicator that indicates ~~that~~ the past, unrecorded program is no longer available for viewing by the user.

62. (Currently amended) The machine-readable media of claim 61, wherein the displayed ~~list includes~~ program listings include at least one video-on-demand program that is available for viewing by the user.

63. (Original) The machine-readable media of claim 61, wherein at least one of the at least one previously recorded program is stored on a local personal video recorder.

64. (Original) The machine-readable media of claim 61, wherein at least one of the at least one previously recorded program is stored on a network-based video recorder.

65. (Currently amended) The machine-readable media of claim 61, wherein the method further comprises allowing the user to select for viewing a previously recorded program ~~listed in the list~~ associated with one of the displayed program listings.

66. (Currently amended) The machine-readable media of claim 61, wherein at least one of the program ~~listed in the list listings~~ is associated with a visual indicator, wherein the visual indicator indicates that the associated program is scheduled for recording.

67. (Currently amended) The machine-readable media of claim 61, wherein at least one of the program ~~listed in the list listings~~ is associated with a visual indicator, wherein the visual indicator indicates that the associated program has been recorded.

68. (Currently amended) The machine-readable media of claim 61, wherein at least one of the program ~~listed in the list listings~~ is associated with a visual indicator, wherein the

visual indicator indicates that the associated program is currently being recorded.

69. (Currently amended) The machine-readable media of claim 61, wherein at least one of the program ~~listed in the list listings~~ is associated with a visual indicator, wherein the visual indicator indicates that the associated program is a video-on-demand program.

70. (Currently amended) The machine-readable media of claim 61, wherein the allowing the user to scroll the ~~list~~ program listings backwards in time comprises displaying ~~a list~~ program listings of previously recorded programs.

71. (Currently amended) The machine-readable media of claim 61, wherein the ~~list includes~~ program listings include at least one video-on-demand program available for viewing.

72. (Currently amended) The machine-readable media of claim 61, wherein the allowing the user to scroll the ~~list~~ program listings backwards in time comprises displaying at least one category of previously recorded programs.

73. (Currently amended) The machine-readable media of claim 61, wherein at least one of the program ~~listed in the list listings~~ is available for viewing for a limited time, wherein the method further comprises allowing the user to extend the time of availability of said program.

74. (Currently amended) The machine-readable media of claim 61, wherein the method further comprises allowing the user to set a reminder for at least one of the program ~~listed in the list~~ listings.

75. (Original) The machine-readable media of claim 74, wherein the method further comprises:

determining if the user is watching the program for which a reminder was set; and

recording automatically said program if the user is not watching said program.

76. (Currently amended) The machine-readable media of claim 61, wherein the method further comprises allowing the user to schedule for recording at least one of the program ~~listed in the list~~ listings.

77. (Original) The machine-readable media of claim 61, wherein the method further comprises determining a personal profile based on gathered information relating to the user.

78. (Original) The machine-readable media of claim 77, wherein the method further comprises setting a reminder for a program, wherein said program is selected based at least in part on the personal profile.

79. (Original) The machine-readable media of claim 77, wherein the method further comprises recording a program, wherein said program is selected based at least in part on the personal profile.

80. (Currently amended) The machine-readable media of claim 61, wherein the past, unrecorded program is indicated by an empty cell, wherein the allowing the user to scroll the ~~list~~ program listings backwards in time comprises:

determining whether at least one row of the grid consists of empty cells; and

collapsing the grid to remove the at least one row of empty cells.

81. (Previously Presented) The method defined in claim 1, wherein the past unrecorded program is indicated by an empty cell.

82. (Previously Presented) The user equipment of claim 21, wherein the past unrecorded program is indicated an empty cell.

83. (Previously Presented) The system of claim 41, wherein the past unrecorded program is indicated an empty cell.

84. (Previously Presented) The machine-readable media of claim 61, wherein the past unrecorded program is indicated an empty cell.